**Michael Jesmer**

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**PROFESSIONAL SUMMARY:**

* 7 years of UNIX System and Network administration in Redhat Linux 4/5/6/7 and AIX
* Server installations, configurations, upgrades and migrations on Linux.
* Installation, configuration and administration of virtual machines.
* Administrating and troubleshooting Red Hat Cluster Suites.
* Participate in installing and configuring of UNIX/Linux based Oracle 10g products
* Strong knowledge of large-scale Linux deployment methodologies, kernel configuration, performance monitoring, and tuning
* Experienced in working with Network Engineers to install, manage, and configure NAS based storage and insure overall system and network security.
* Hands on experience with Docker
* Exposure in setting up Puppet environment and managing nodes configuration
* Complete understanding about puppet functionality and relations between master and client.
* Experienced in managing user and group management in Linux Environment
* Experienced installing, Configuring and supporting VMware ESX hosts.
* Well experienced in managing LVM
* Perform day to day LVM operations and System Admin tasks.
* Understanding about all Puppet integrated tools such as Hiera, Mcollective, Factor etc
* Full knowledge about push node configuration on several hundreds of nodes using collective
* Well versed with GIT version control & its process for maintaining code in higher environments

**SKILL SETS:**

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| Languages | Python, Java, C, C++, My SQL, PSQL, JavaScript, Shell, SQL, UNIX |
| Web Application Server | Tomcat, Apache, IBM RAS/WAS, WebLogic |
| Database | Oracle 10g & 11g, Sybase 12& 15, Oracle RAC, Oracle DBA, DB2/UDB |
| Operating system | Windows, Unix, Sun Solaris, Linux, Red Hat, CentOS, Ubuntu |
| Clusters | Veritas Cluster, Sun Cluster |
| Networks | DNS, SSH, HTTP/HTTPS, BIND, DHCP, NFS, NIS, LDAP, NAS, SAN |
| Automation Tools | Puppet, Chef, Splunk, Nagios |

**WORK EXPERIENCE:**

**Senior Linux Administrator Aug 2016 – Present**

**Union Bank, Glendale CA**

* Experience with Linux installations, configuration management and patch administration as member of a production support team.
* Deployed Puppet for configuration management to existing infrastructure.
* Implemented puppet to manage all of servers & automate the build/configuration of servers
* Experience using Salt, Ansible, Dockers, Jenkins.
* Build automatic provisioning system with Kickstart and Puppet.
* Strong experience with XML, SQL, PERL, and shell scripting
* Managed Users on Unix/Linux and Windows systems.
* Experienced installing, configuring and supporting VMWare ESX hosts
* Installed, monitored and supported Web and application servers on Linux environments
* Provided cross platform data access from Linux to Windows users by deploying **Samba**.
* Provided application support for various Engineering applications such as Ansys and Abaqus.
* Gathered requirements from Engineering team and build application installation documents.
* Perform day to day LVM operations and System Admin tasks.
* Wrote & automated security audit scripts in the environment
* Administering and troubleshooting of Redhat Clusters.
* Adding and removing nodes from and to the cluster.
* Experience in Installation and support of server adapters HBA (host-based adapter) and network cards.

**Linux Administrator July 2014 – Jul 2016**

**Bank of America, Iselin, NJ.**

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* Administer and troubleshoot Cisco Load Balancers, F5 Load Balancers (LTM/GTM), Citrix Netscalers, Solarwinds.
* Ring in changes in production following ITIL standards under Change control mechanism.
* Performed build and deployment of servers in Virtual environment using vSphere, vCenter and deploying global policies using HPSA
* Performed DBA activities like installation and configuration of **Oracle RAC database, Oracle 7.x/8.x**
* Configured and Installed Ubuntu Linux 16.04LTS and deployed in Citrix
* Planning, creating and managing Active Directory group policy Templates and Policies Administration.
* Performed Data Centre Migration and Integration in a critical time crunch scenario
* Managing Access Administration, restricting and securing unauthorized access to the hosts and granting privileged access to the System Account and Users Accounts
* Configured secured shell login SSH, Public/Private Authentication
* Worked on NFS, DNS, NIS, Telnet, SSH, SFTP, Chef/Knife
* Providing day to day support to the development and Database teams.
* Supporting scheduled periodic patching of the servers and supporting the release deployments, supporting/upgrading Jenkins to support deployment process.
* Participating in trouble shooting complex issues with Storage, ESxi hosts, Firewalls and Networking
* Prioritizing the tasks participating in War room calls and triage the high priority issues
* Worked on monitoring tools such as OEM, EM7, New relics, HP Open View, XMatters.
* Proactively monitoring the systems health check and load on the hosts
* Tools worked on Workbench Workstation, HPSM, HPSA, Jira, F5, Chef/Knife, Sub- Version, Jenkins, Jira, and Service now.

**State Farm – Chicago, IL Jan 2011 - June2014**

**Systems Administrator**

* + Loaded Linux Operating System both physical and virtual
  + Ensured that the servers are lined up with all the configurations requested by the Project/Stakeholders.
  + Actively participated in all technical meetings of the Project.
  + Collaborated activities with team members.
  + Work accordingly to the deadlines set by the project to build servers in the new data centres in different locations of the clients
  + Managed 350+ ESX servers located at various data centres by one virtual centre. Each Data centre has multiple clusters with biggest of 8 clusters used for HA and DRS for disaster recovery & Load balancing.
  + Experienced deploying VMs using VMware templates.
  + Provided updates to team leads about the status of each server allocated and ensured all setup/configurations are done for migration/cut-overs activities.
  + Actively available during migrations of the Servers production change window starting from midnight to early morning.
  + Played a vital role in Creating Virtual Machines, cloning virtual machines, converting P2V (used standard VMware converter tool), VM-Provisioning (Linked clones, thin disks, de-duplication) taking Snapshots of virtual servers, HA.
  + Resolved problems related to performance metrics such as Processor Usage, Memory etc
  + Learned new technologies of the migration project.
  + Wrote automated security audit scripts in the environment.
  + Working knowledge on of different types of configuration management tools like Chef, Ansible.

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